

# Coaxial Filters Offer High Pass and Low Pass Characteristics

New high pass and low pass filters make it easy to control images, harmonics, spurious and interference in a wide range of test and production applications

Mini-Circuits offers the VHF-SERIES high pass filters and VLF-SERIES low pass filters, suitable for applications in testing and production.

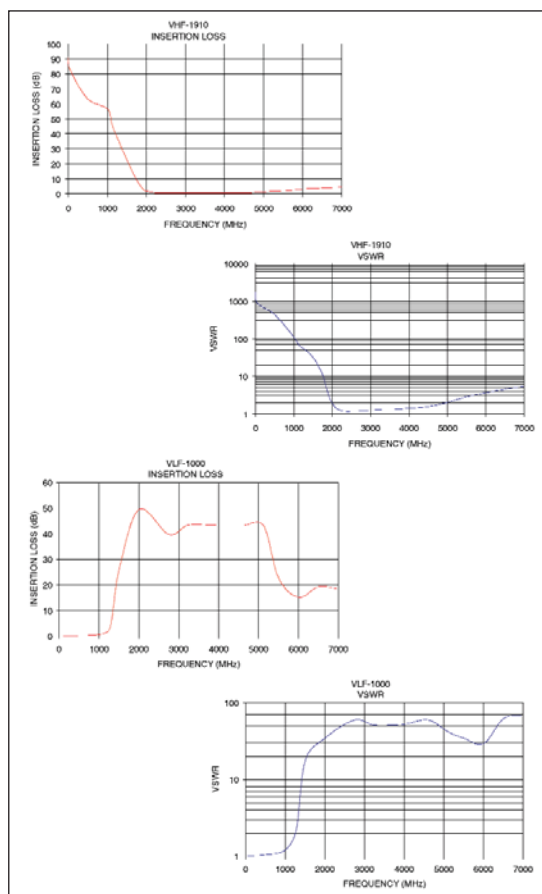
Using a 7-section high pass filter design, the VHF-SERIES filters provide excellent passband matching (typical VSWR is 1.5), flat passband response, and a sharp transition band. The 0.461 in (11.71 mm) diameter coaxial cases are built with solid stainless steel unibody construction and coated with a durable gold finish, these units feature SMA



type connectors, can handle high power (up to 7 watts at input) and are temperature stable from -55°C to 100°C. These low cost filters are ideal for eliminating sub-harmonics and for DC blocking in transmitters, receivers, repeaters, and lab test setups.

The VLF-SERIES uses a 7-section low pass filter design with excellent passband matching (typical VSWR is 1.2), an ultra-wide stopband, and a sharp transition band. Built with the same solid stainless steel unibody construction as the VHF-SERIES, they also handle high power (up to 7 watts at input) and are temperature stable from -55°C to 100°C. These low cost filters are ideal for eliminating the harmonics produced by transmitters, amplifiers, non-linear passives, etc.

Pricing of each series is from \$19.95 ea. (in small quantities of 1-9).



Example plots show the passband and VSWR response for the VHF-1910 high pass filter (top) with 1 2200-4400 MHz passband, and the VLF-1000 low pass filter (bottom) with a DC-1000 MHz passband.

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